Page 1 of 2

						<u> </u>			Page 1 of 2		
					ATTY. DOC	TWADEMARK OF	APPLI 09/83	CATION NO. 2,132			
	F	ORM E	PTO-1449		APPLICANT						
INFO	RMATIO	N DIS	CLOSURE STA	TEMENT	Juin-Hwey				 -		
					FILING DATA		GROUP 2644				
				v.s.	PATENT DOCUM				<u> </u>		
EXAMINER						-					
INITIAL		DOC	UMENT BER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE		
MAL	AA1	$\overline{}$	27,962	03/1960	C.C. Cutler		178	43.5			
MAL	AB1	4,2	20,819	09/1980	Atal		179	1			
MAC	AC1	4,3	17,208	02/1982	Araseki et	al.	375	27			
MAL	AD1	4,7	76,015	10/1988	Takeda <i>et a</i>	1.	381	41			
MAC	AE1	4,7	91,654	12/1988	De Marca et	al.	375	122			
MAL	AF1	4,8	11,396	03/1989	Yatsuzuka		381	30			
MAL	AG1	4,8	60,355	08/1989	Copperi		381	36			
MAC	AH1	4,8	96,361	01/1990	Gerson		381	40			
MAL	AI1	4,9	18,729	04/1990	Kudoh	•	381	36			
MAC	AJ1	4,9	63,034	10/1990	Cuperman et	al.	381	36			
MA	AK1	4,9	69,192	11/1990	Chen et al.		381	31			
		,		FOREIG	N PATENT DOC	UMENTS	T :		¥		
EXAMINER INITIAL		DOC!	UMENT BER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION		
	AL1						RE	CEIVE	D Yes		
	AM1						111	1 9 20	Yes No		
	AN1							ogy Center	Yes		
							161.1110	Day Center	Yes		
<u> </u>	A01								No Yes		
	AP1								No		
		•	OTHER (Incl	uding Author,	Title, Date	, Pertinent Page	es, etc.)				
MAC	AR	1	Quantizati	ion System*," and Electron	IEEE Transac	of Optimal Fil- tions on Circui s, Inc., Vol. C	t Theory,	The Insti	tute of		
MA!_	AS	<u>1</u>	Coding in	ohn Makhoul and Michael Berouti, "Adaptive Noise Spectral Shaping and Entropoding in Predictive Coding of Speech," IEEE Transactions on Acoustics, Speechd Signal Processing, IEEE, Vol. ASSP-27, No. 1, February 1979, pp. 63-73.							
MAC	AT	1	Subjective	sishnu S. Atal and Manfred R.Schroeder, "Predictive Coding of Speech Signals as ubjective Error Criteria," IEEE Transactions on Acoustics, Speech, and Signal processing, IEEE, Vol. ASSP-27, No. 3, June 1979, pp. 247-254.							
EXAMINER	milia	6.2.		Ferris		I	DATE CONSI	DERED 10 9 i			
	citat:	if r	eference co			citation is in or red. Include co	conformand	e with MP			

Page 2 of 2

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOVET NO. APPLICATION NO. 09/832,132

APPLICANT
Juin-Hwey Chen

FILING DATE

GROUP

					April 11, 2001	2644	<u></u>		
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOC!	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING I	DATE
MAL	AA2	5,0	07,092	04/1991	Galand et al.	381	36		
MAL	AB2	5,0	60,269	10/1991	Zinser	381	38		
MAC	AC2	5,2	04,677	04/1993	Akagiri et al.	341	118	<u> </u>	
MAC	AD2	5,3	13,554	05/1994	Ketchum	395	2.28		
MAC	AE2	5,4	87,086	01/1996	Bhaskar	375	243		
MAC	AF2	5,4	93,296	02/1996	Sugihara	341	76		
MAC	AG2	6,0	14,618	01/2000	Patel et al.	704	207		
MAC	AH2	6,0	55,496	04/2000	Heidari et al.	704	222		
MARI	AI2	6,1	31,083	10/2000	Miseki et al.	704	217		
N. C.	AJ2		-						
	AK2								
~··			-	FOREIG	ON PATENT DOCUMENTS		•	! 	
XAMINER NITIAL		DOC!	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA	rion
•	AL2		·-·			The state of the s			Ye N
	AM2						FOEIV		Ye
	AN2					p	UL 19	001	Ye N
	A02					Tech	nology Cen	er 2600	Ye N
	AP2			:					Ye N
			OTHER (Inc.	luding Author	, Title, Date, Pertine	nt Pages, etc.)			
MAC	AR	2	CELP-Type	Speech Coder	A. Jasiuk, "Technique s," IEEE Journal on Se 992, pp. 858-865.	es for Improving elected Areas in	the Perfo	rmance of tions, II	E EEE,
MAL	AS	2		onal Journal	nhanced ADPCM Coder fo of Speech Technology,				
	АТ	2				·			
EXAMINER W	lich	-e1	V Le	ن ،		DATE CONS	IDERED		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Page 1 of 1

OIPE),),
AUG 0 2 2002	7
Breit Control	

FORM PTO-1449

A IBSLICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1875.0250002	APPLICATION NO. 09/832,132	
APPLICANT Juin-Hwey Chen		
FILING DATE	GROUP	

		Γ		**								
INITIAL				<u> </u>	S. PATENT DOCU	MENTS						
		DOC:	UMENT BER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE			
	AA1							 _ _ _ _	<u> </u>			
	AB1	-		_				130				
	AC1	├					Por Police	* `				
	AD1						100	(C)				
	AE1 AF1	\vdash					1 9		1			
	AG1	 					`	Tea To	23			
	AH1							185				
	AI1			·				100				
	AJ1	<u> </u>		-		12 17 811		1 -0				
	AK1											
		•		FORE	EIGN PATENT DO	CUMENTS	•					
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION			
	AL1								Ye N			
	AM1								Ye N			
	AN1			·					Ye N			
	A01								Ye N			
	AP1					·			Ye:			
			OTHER (In	cluding Autho	or, Title, Date	e, Pertinent	Pages, etc.)					
MAC	AR	<u>1</u>	with Low	-Delay," Pro	Fischer, T.R., ceedings of th Kluwer Publish	e Workshop o	n Speech Cod.		speech Coder			
MAC	AS	<u>1</u>	for 16 k	Tatts, L. and Cuperman, V., "A Vector ADPCM Analysis-By-Synthesis Configuration for 16 kbit/s Speech Coding," Proceedings of the Global Telecommunications Conference and Exhibiton (Globecom), IEEE, 1988, pp. 275-279.								
MAL	АТ	<u>1</u>		py of International Search Report issued May 3, 2002 for Appln. No. T/US01/42786, 6 pages.								
EXAMINER	Lec	1	L	s . و			DATE CONS	SIDERED O O				

communication to Applicant. ::ODMA\MHODMA\SKGF_DC1;39655;1

2002 B

	<u>-</u> .		TRAD	EMARI	ATTY. DOCKET NO. APPLICATION NO. 1875.0250002 09/832,132					
			PTO-1449		APPLICANT	APPLICANT Juin-Hwey CHEN				
INF			JPPLEMENTAL SCLOSURE STA	TEMENT	FILING DATE	FILING DATE GROUP April 11, 2001 2654				
				v.s.	PATENT DOCUMENTS	12034				
EXAMINER INITIAL			UMENT	DATE	NAME	CLASS	SUB-	FILING DATE		
	AA1	NUM	BER			 	CLASS			
	AB1	†				†				
	AC1									
	AD1									
	AE1	ļ				<u> </u>				
	AF1	┿			RECENOCITE TO THE PARTY OF THE	V				
	AG1	+-				4ED				
	AH1	╁		<u> </u>	OCT 0 7 2	200	-	-		
· · · · · · · · · · · · · · · · · · ·	AI1	+			(Jeohna)	402				
	AJ1	+			Liecunology Cent	Ar 2600				
	AK1					YI ZOUU		<u> </u>		
EXAMINER	<u> </u>	1		FOREIG	N PATENT DOCUMENTS	.[T		
INITIAL			CUMENT IBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
mAL	AL1	0 5	573 216 A2	12/8/93	Europe	-		Yes No		
	AM1	ļ						Yes No		
	AN1							Yes No		
	A01							Yes No		
	AP1							Yes No		
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	s, etc.)				
MAL	AR	<u>1</u>	Hayashi, Processing	S. et al., ' g, Elsevier Sc	Low Bit-Rate CELP Speech ience B.V., Vol. 72, 1999,	Coder w pp. 97-10	ith Low De 05.	elay," <i>Signal</i>		
MAL	AS	<u>1</u>		. et al., "Spe I-197-I-200.	eech Coding Based on Adaptiv	ve Mel-Ce	epstral Ana	lysis," IEEE,		
MAL	ТA	<u>1</u>	Copy of E	International 12787, 6 pages	Search Report issued Sept	ember 11	l, 2002 fo	r Appln. No.		
EXAMINER	Ley	00	La-i-	\$	1	DATE CONS	SIDERED			
EXAMINER: line throug communicati	h citat:	ion i	f not in co	nsidered, whet	her or not citation is in c not considered. Include co	onformand py of thi	ce with MPE is form wit	P 609. Draw h next		

OIPE	\	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Page 1 of 1			
# 1 6 2003				ATTY. DOCKET NO. 1875.0250002	APPLICA 09/832,13					
# 1 6 2003 i	I EMENTAL	FORM PTO-1449	CLOSURE STATEMENT	APPLICANT Juin-Hwey CHEN						
ADE SOPP	LEWENTAL	INFORMATION DISC		FILING DATE GROUP April 11, 2001 2654 PATENT DOCUMENTS						
EXAMINER			0.5.1	TATENT DOCUMENTO		Τ				
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
MAL	AA1	5,963,898	10/1999	Navarre et al.						
Viral.	AB1	2002/0060052 A1	00/2002	Chon			04/11/2001			
MAL	AC1	09/722,077		Chen			11/27/2000			
	AD1				·					
	AE1									
	AF1									
	AG1									
	AH1									
	Al1									
	AJ1									
	AK1	1				Ì				
	1,7 3,5		FORFIG	N PATENT DOCUMENTS			•			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL1	NUMBER	\searrow	8			Yes No			
	AM1		()	\\			Yes			
	AN1		1/16			_	Yes			
	AO1		~ Q ,	1			Yes			
	AP1	1	1	<u> </u>	-		Yes			
			OTHER (Including A)		s etc.)		140			
	1	1 1	OTHER (including At	unor, Tide, Date, Perunent Page	5, etc.)					
PHA C	AR	1 Marcellin, I	Marcellin, M.W. et al., "Predictive Trellis Coded Quantization of Speech," IEEE Transactions on Acoustics, Speech, And Signal Processing, Vol. 38, No. 1, IEEE, pp. 46-55 (January 1990).							
MAC	AS	1 Copy of W	ritten Opinion from PCT Ap	opl. No. PCT/US01/42786, 4 Pages	s (mailed February 21, 2003	3).	,			
	AT	1					<u>.</u> .			
EXAMINER	Muha		ک ا		DATE CONSID	7				
EXAMINER: Initi Include copy of the	is form with	ce considered, whether next communication to	r or not citation is in confor o Applicant.	mance with MPEP 609. Draw line	through citation if not in cor	nformance and n	ot considered.			